MIKE HSIN

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WORK EXPERIENCE

Software Developer, Intern

Bloomberg London

Summer 2023

- Research, Design, and Documentation: Refined the requirements by synthesizing client feedback; Navigated research
 constraints to enhance tool integration; Maintained comprehensive internal documentation reflecting the product's
 evolution.
- Testing Development: Achieved 98% test coverage and 94%-line coverage in unit and integration testing of APR tool
- Quality Assurance: Led rigorous quality checks under tight deadlines, contributing to 100% adoption of the APR tool among 27 Bloomberg developers.

Software Engineer, student

IFRC

November 2022 - April 2023

- Achieved a 33% improvement in tool response time over competitors
- · Led efficient project tracking, and enhanced cross-team collaboration, securing tool adoption by IFRC.

Virtual Work Placement IBM

- Collaborated in IBM's remote work process to develop a cross-platform mobile application resilience flood-related challenges, contributing to the team's entry in the Call for Code competition.
- Enhanced remote work process understanding and team agility, demonstrated through active engagement in daily scrum meetings and delivery of detailed weekly progress reports

Software Developer, Intern

Nova Scotia Community College

Summer 2019

Summer 2020

- **Arduino GPS Tracker:** Utilized Arduino devices to tie a balloon with a GPS tracker; Achieved the first team in the project's history to successfully recollected the tracker post-release.
- **Robot renovation**: Renovated an R2D2's head with a Raspberry Pi for enhanced interaction; Converting a medical robot's remote controller from UDP/IP in TCL to TCP/IP in Python

EDUCATION

London, UK

University College London

September 2022 – September 2023

- M.S in Software Systems Engineering, December 2023
- Coursework: Software Architecture; Software Systems Integration; Validation and Verification; Software Engineering Research Method; Front-end development; Software Engineering.

Halifax, N.S, Canada

Dalhousie University

September 2020 – August 2022

- B.S in Applied Computer Science, September 2022. GPA: 3.97
- Coursework: Data Structure and Algorithm; Server-Side Scripting; Software Engineering; Network Computing; Web-Centric Computing; Data Mining and data Warehousing; Human-Computer Interaction.

Halifax, N.S, Canada

Nova Scotia Community College

September 2018 – June 2020

- IT Diploma in Data Analytics, June 2020. Grade: 91%
- Coursework: Database; Programing Languages; Software Engineering; Mobile Development; Web Development; Data Privacy; ETL; Linux Scripting; Client-Side Programming; Data Analytics.

COMPETITION EXPERIENCE AND AWARDS

- Housing Crisis Hackathon: Dalhousie University Shiftkey Lab, Nov 2021. Won the Top Prize.
- IBEC Data Challenge: University of New Brunswick, November 2019; Final round.
- freeCodeCamp: Front End Libraries; JavaScript Algorithms and Data Structures; Data Visualization; Responsive Web Design.
- Oracle Academy: Certification of Completing Java Foundation.

LANGUAGES AND TECHNOLOGIES

- Python; Java (OOP); JavaScript; PHP; HTML5; CSS3; ReactJS; Gatsby
- SQL; MySQL; Oracle Database (SQL Plus; SQL Developer); NoSQL; PL/SQL; firebase
- Git (GitLab; GitHub); Docker; CI/CD; Unit Testing; Integration Testing
- Data Visualization (Tableau; SAP Cloud Analytics); Linux OS; Mobile development (Java); ERD; API; Google Cloud
- Agile; Scrum; TDD; Azure DevOps; Jira; Trello